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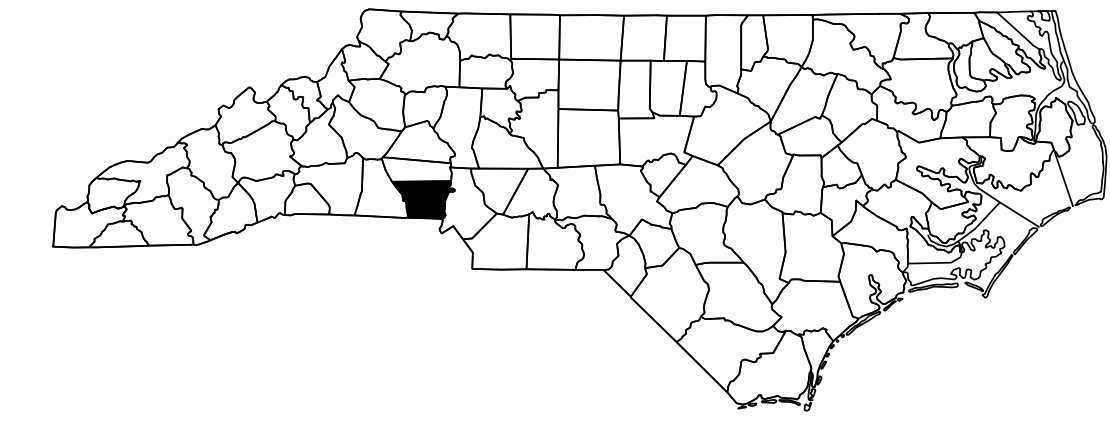
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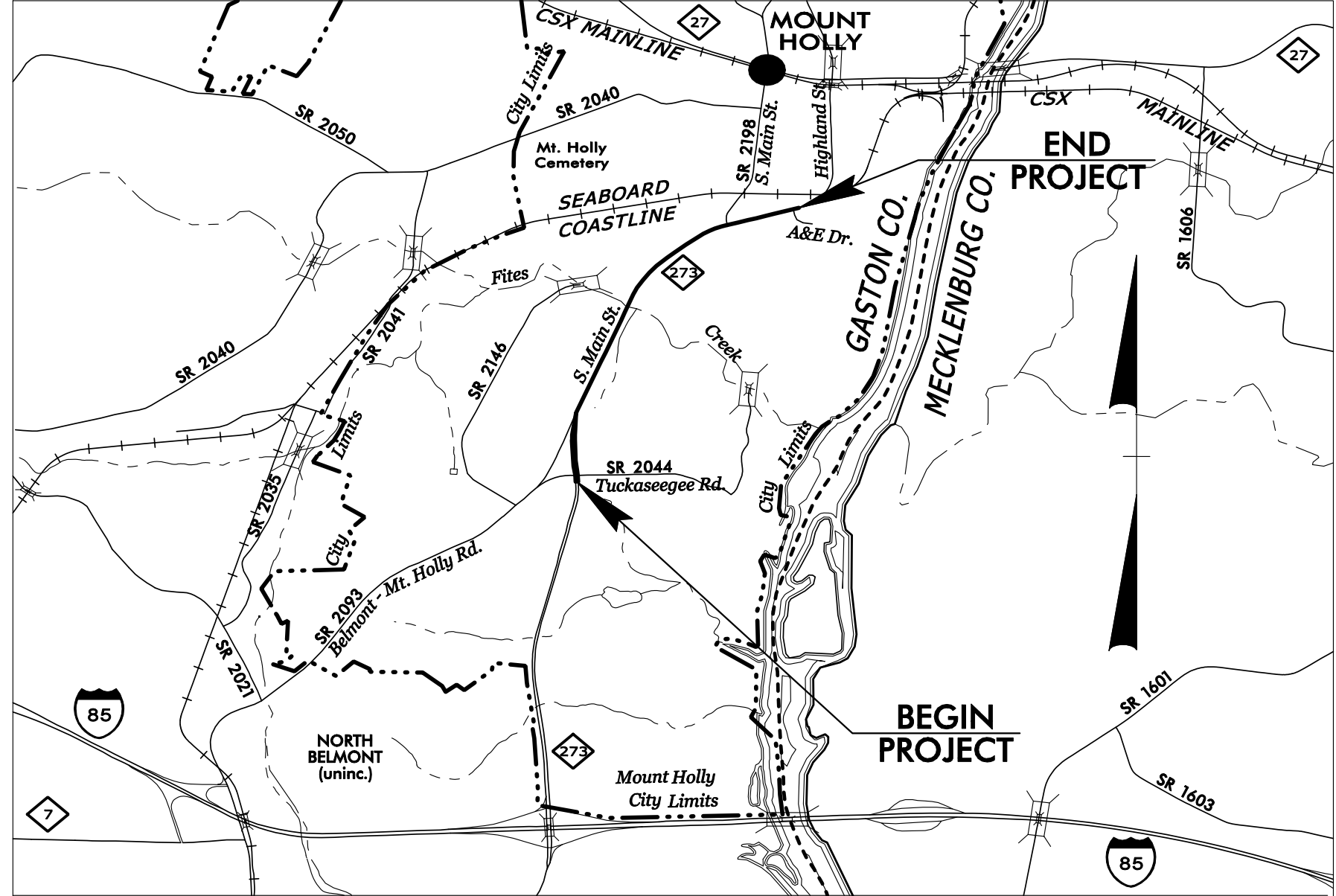
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS GASTON COUNTY

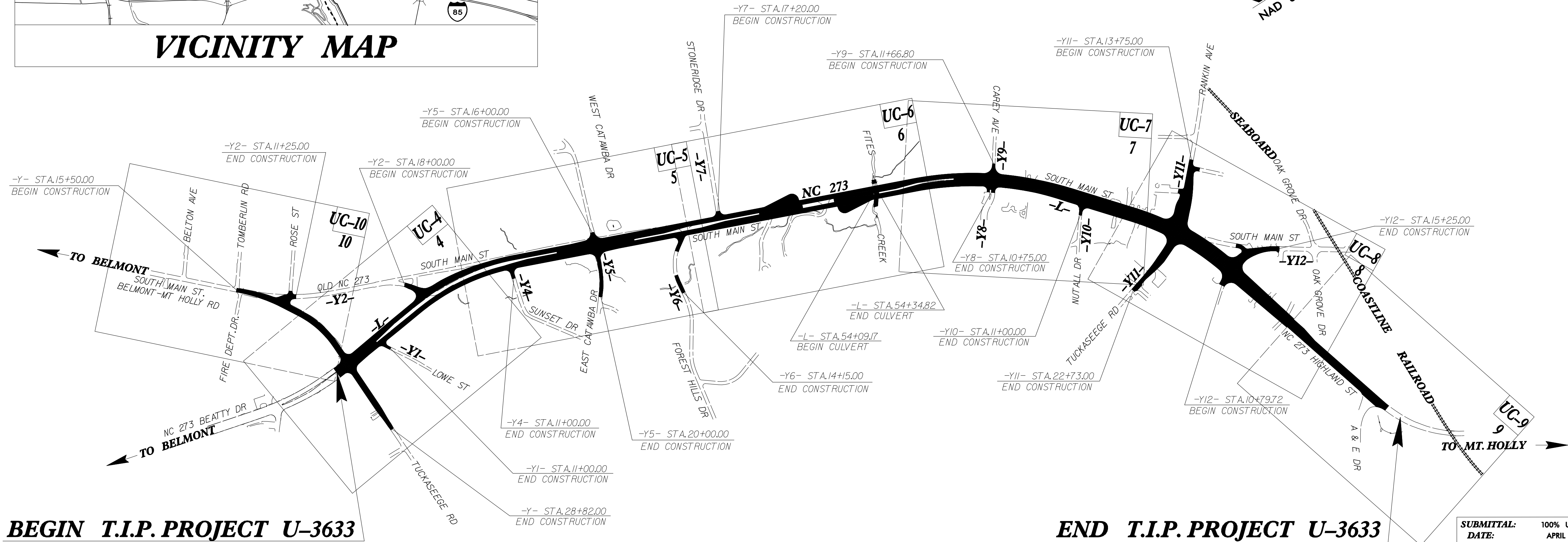
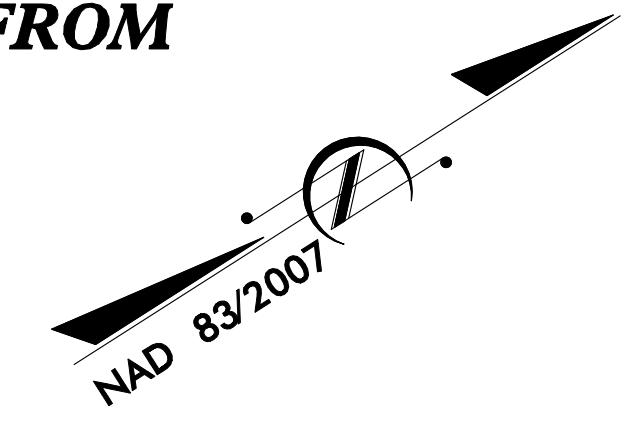
LOCATION: MOUNT HOLLY - NC 273 (SOUTH MAIN STREET) FROM TUCKASEEGE ROAD AT BEATTY DRIVE TO HIGHLAND STREET AT A&E DRIVE
TYPE OF WORK: WATER AND SEWER RELOCATION



TIP PROJECT: U-3633



VICINITY MAP



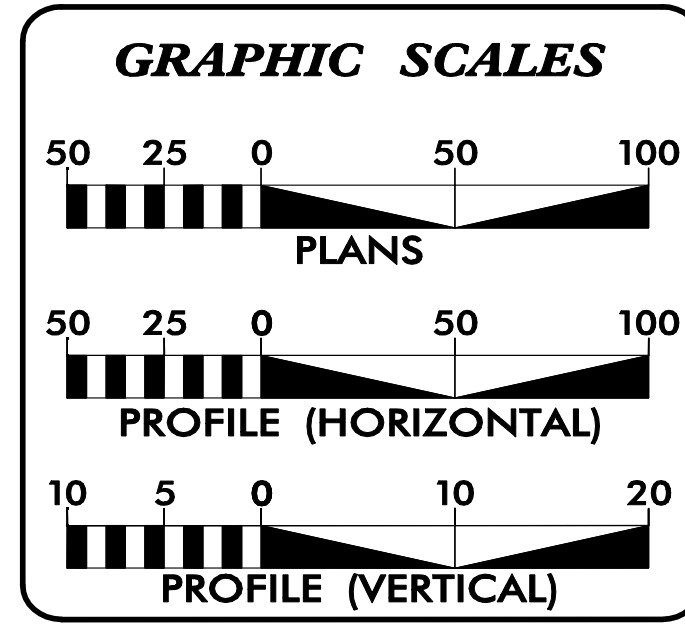
BEGIN T.I.P. PROJECT U-3633
-L- STA. 18 + 65.00

END T.I.P. PROJECT U-3633
-L- STA. 91 + 00.00

SUBMITTAL: 100% UC PLANS
DATE: APRIL 24, 2017

THIS IS NOT A CONTROL OF ACCESS PROJECT
THIS PROJECT IS WITHIN THE MT. HOLLY MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

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INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU UC-3B	DETAILS
UC-4 THRU UC-10	UTILITY CONSTRUCTION SHEETS
UC-11 THRU UC-13	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT

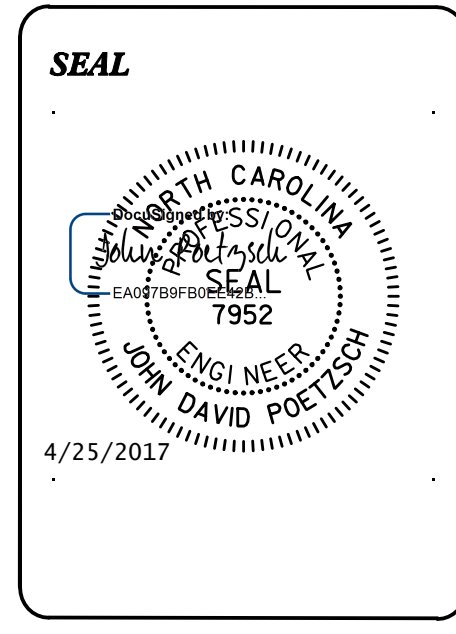
(A) WATER: CITY OF MOUNT HOLLY
(B) SANITARY SEWER: CITY OF MOUNT HOLLY

PREPARED IN THE OFFICE OF:

AECOM

AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC.
701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F - 0342

John D. Poetzsch, PE UTILITY PROJECT MANAGER
Gary Swinson PROJECT UTILITY COORDINATOR
Gary Swinson PROJECT UTILITY ENGINEER




DIVISION OF HIGHWAYS UTILITIES UNIT
1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 707-6690
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Carl Barclay, PE UTILITIES REGIONAL ENGINEER
James Swinson UTILITIES ENGINEER
Amy Dupree UTILITIES AREA COORDINATOR
Greg Sealy UTILITIES COORDINATOR

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

UTILITY CONSTRUCTION

<p><i>Prepared In the Office of:</i></p> <h2 style="margin: 0;">AECOM</h2> <p style="font-size: 8px; margin: 0;">AECOM TECHNICAL SERVICES OF NORTH CAROLINA, INC. 701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607 919-854-6200 919-854-6259 (fax) F - 0342</p>	<p>PROJECT REFERENCE NO. U-3633</p>	<p>SHEET NO. UC-3</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		
<p>DESIGNED BY: . DRAWN BY: . CHECKED BY: . APPROVED BY: . REVISED:</p>	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151</p>	

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.

2. THE EXISTING UTILITIES BELONG TO THE CITY OF MOUNT HOLLY.

3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.

4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.

5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.

7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.

8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. ALL NEW OR RELOCATED WATER SERVICE LINES TO BE COPPER PIPE.

LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT
- 1520.01 SEWER CLEAN OUT
- 1525.06 PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

Prepared in the Office of:

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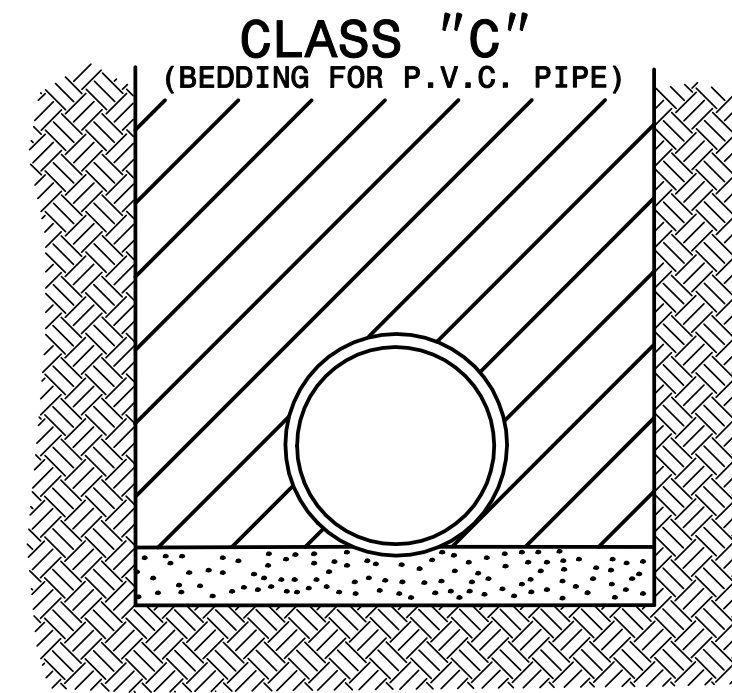
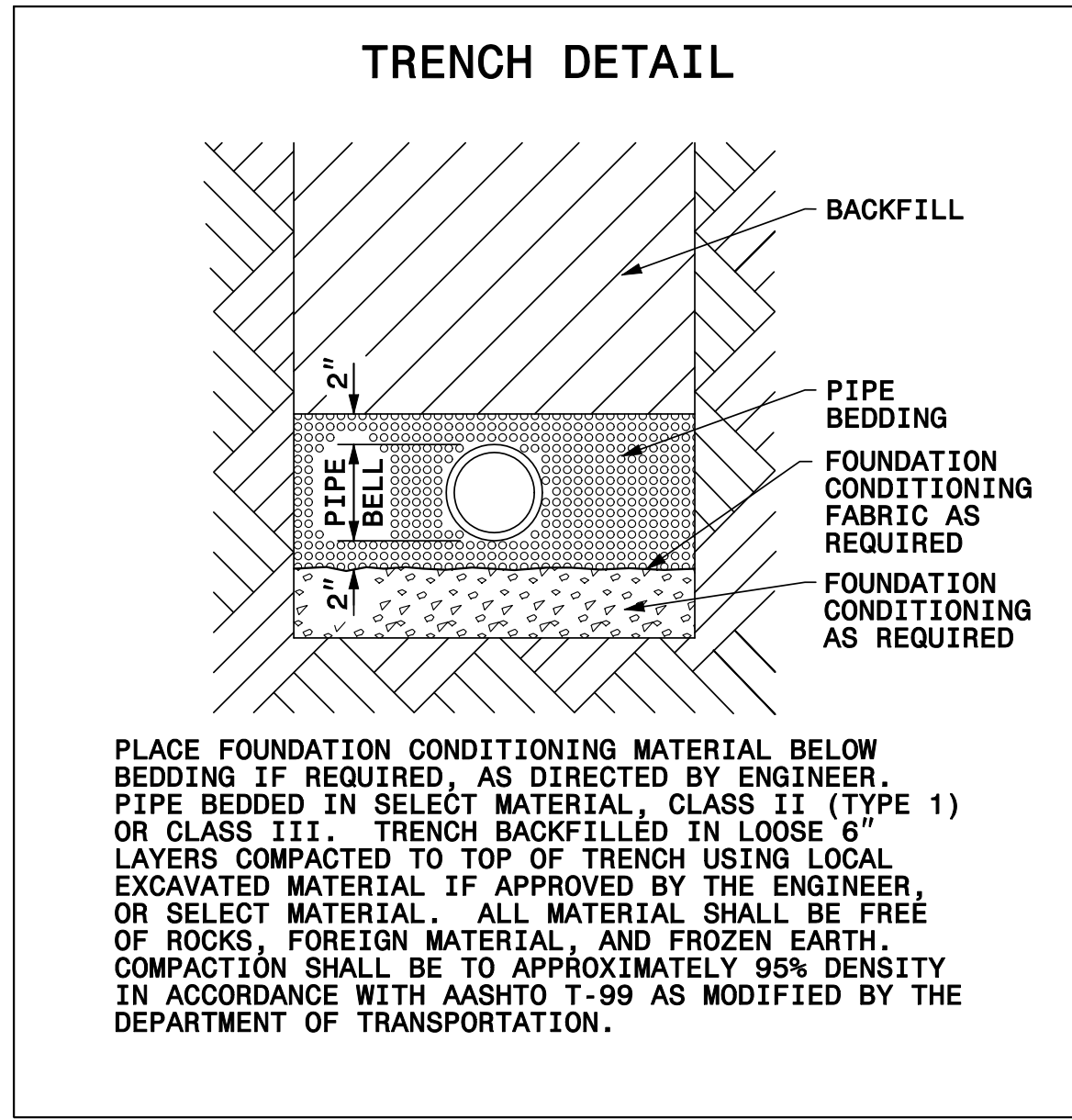
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PROJECT REFERENCE NO. **U-3633** SHEET NO. **UC-3A**

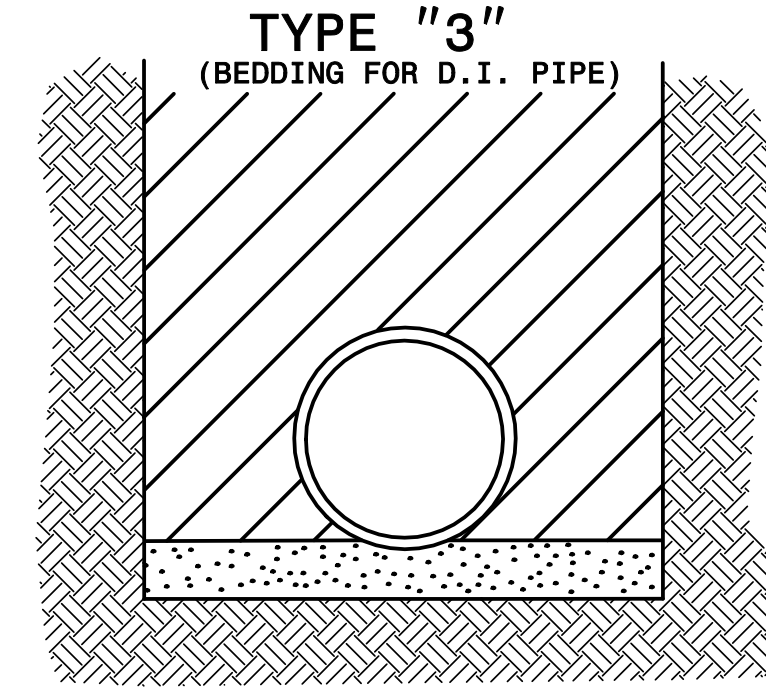
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APPROVED BY: .
REVISED:
NORTH CAROLINA
DEPARTMENT OF
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PHONE: (919) 707-6690
FAX: (919) 250-4151

4/25/2017
DAVID POETSCH
ENGINEER
UTILITY CONSTRUCTION
PLANS ONLY

UTILITY CONSTRUCTION

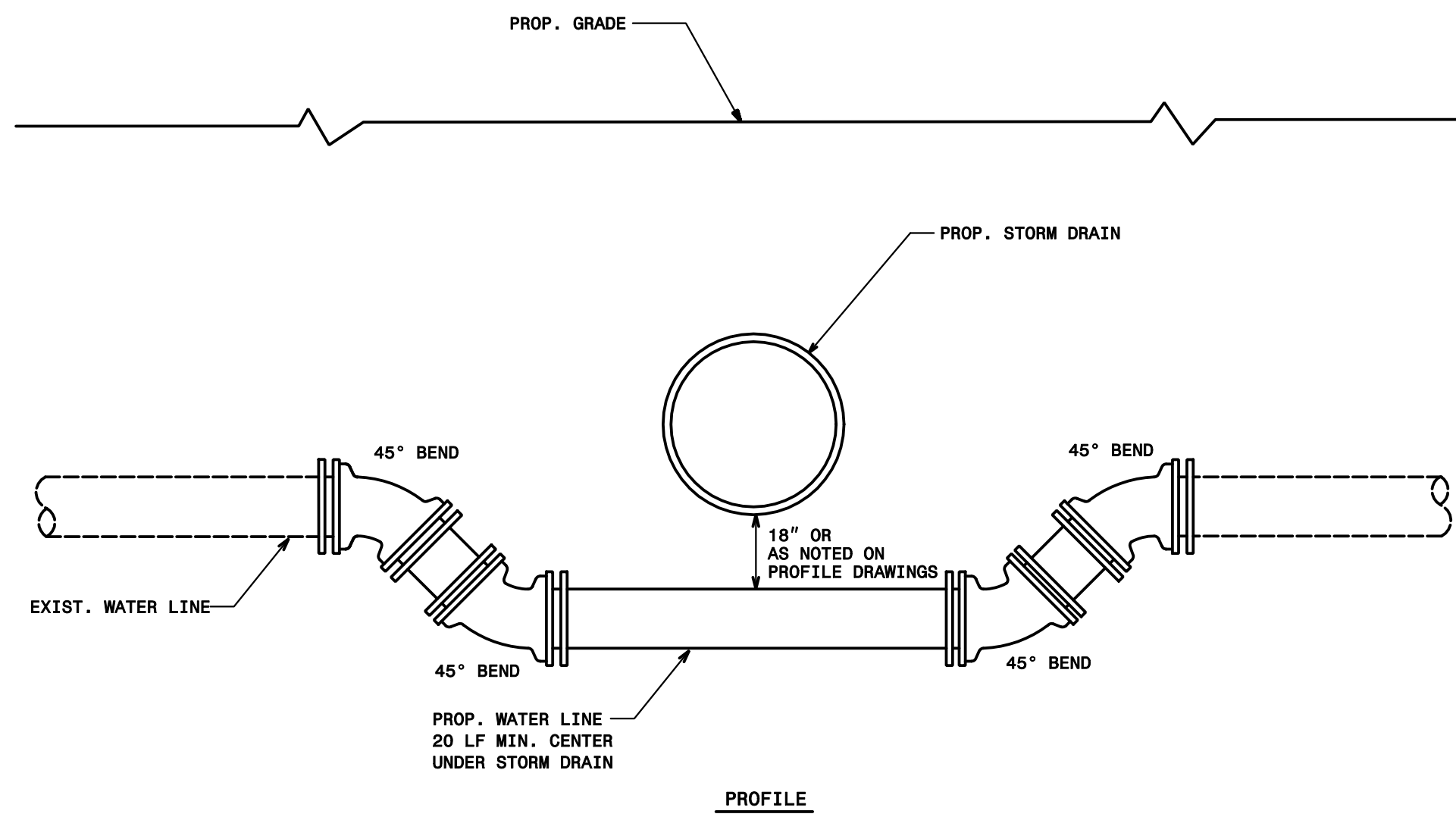


PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



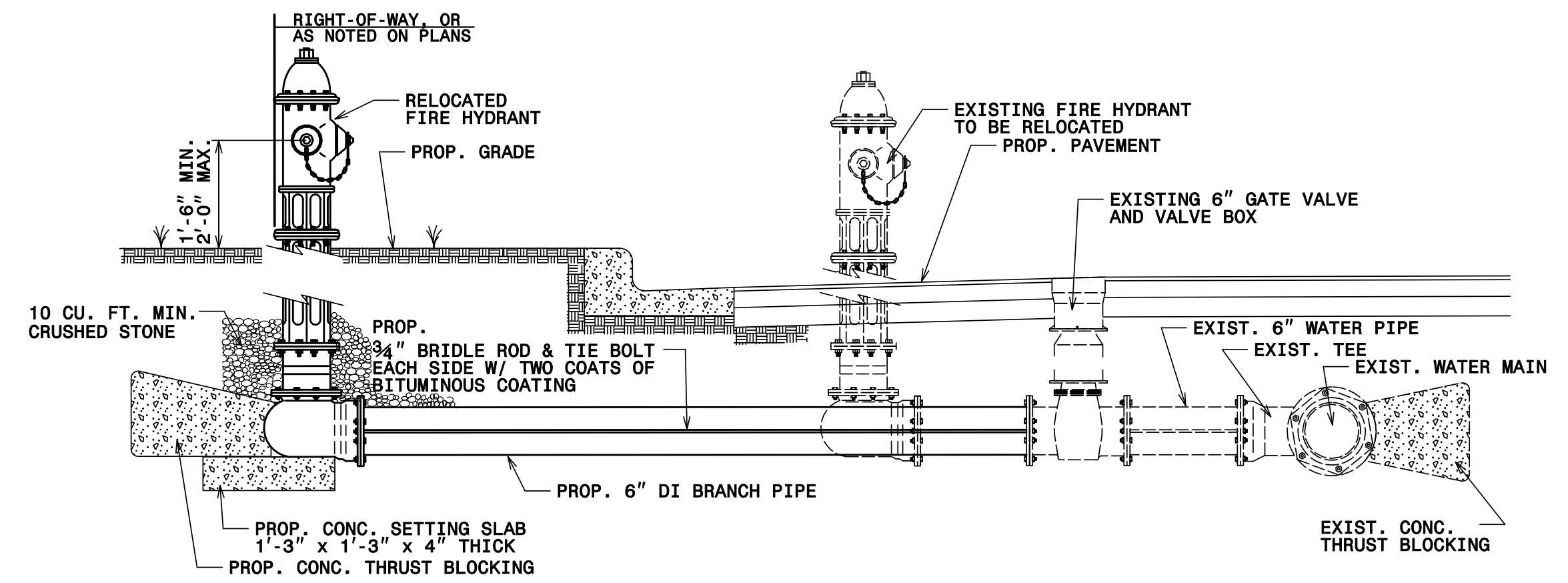
PIPE BEDDED IN 4" MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)	NOMINAL PIPE SIZE (inches)	TRENCH WIDTH (inches)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



WATER MAIN RELOCATION (DOWN/UNDER) AT PROPOSED STORM DRAIN CROSSING

NTS



FIRE HYDRANT RELOCATION DETAIL

NTS

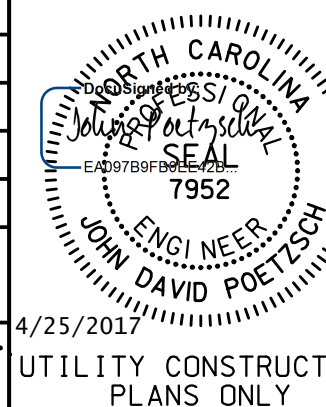
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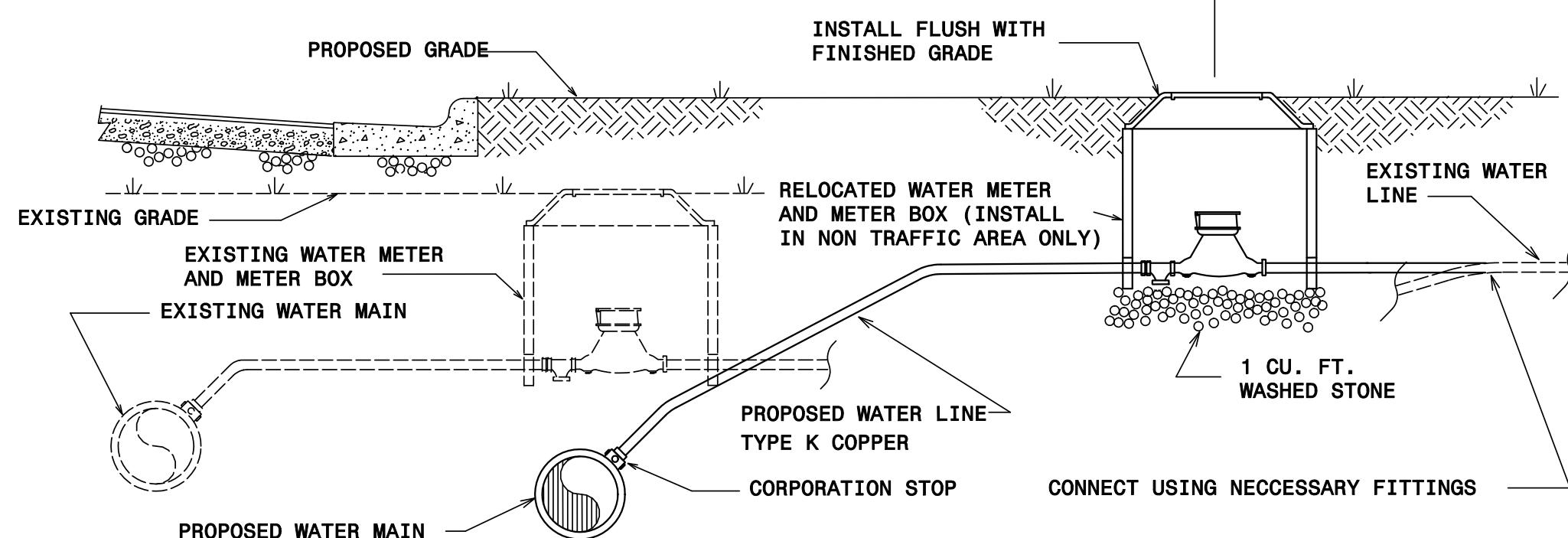
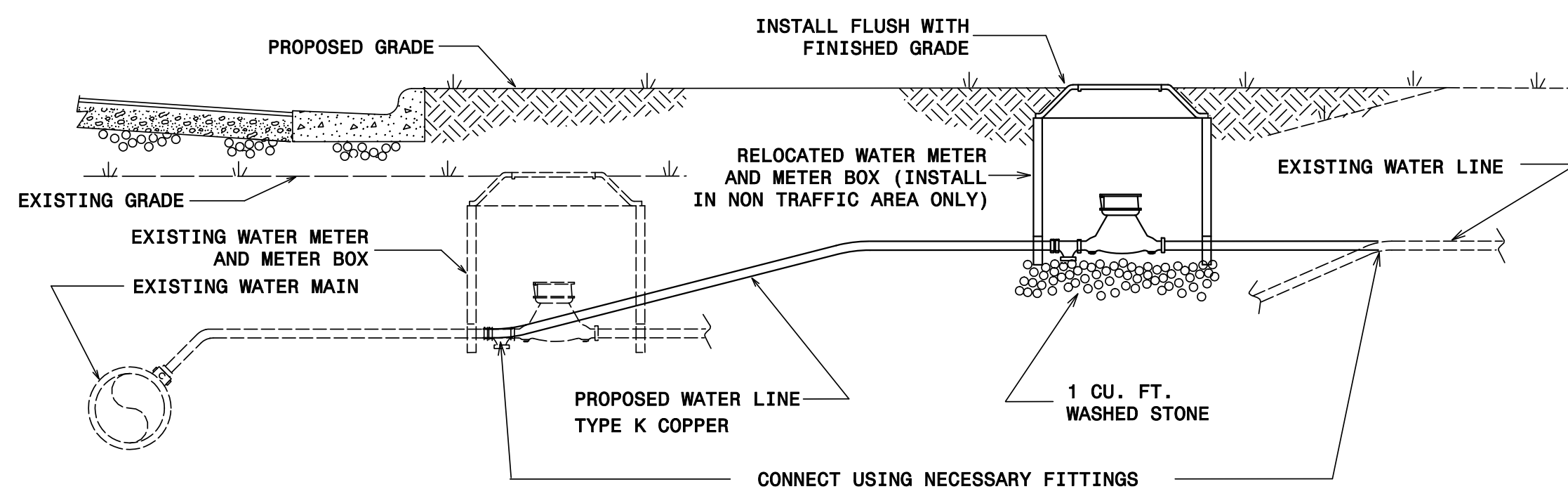
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F-0342

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PROJECT REFERENCE NO.	SHEET NO.
U-3633	UC-3B
DESIGNED BY:	
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CHECKED BY:	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	4/25/2017
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	UTILITY CONSTRUCTION PLANS ONLY



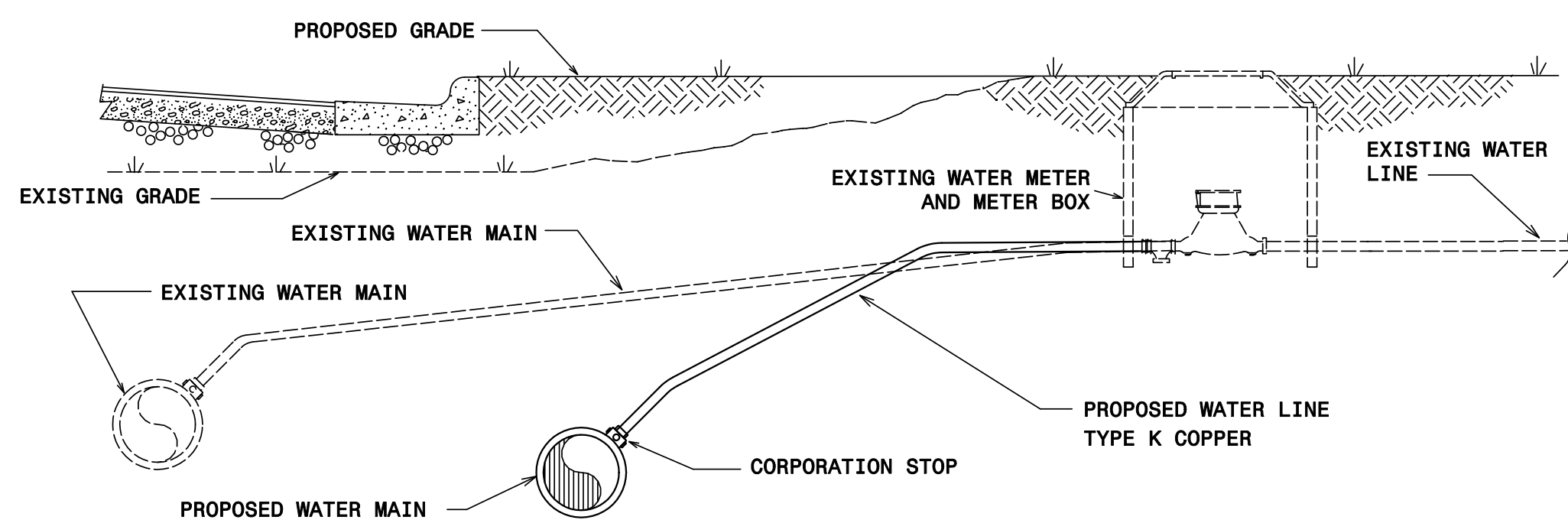
UTILITY CONSTRUCTION



NOTES:

1. RELOCATION SHALL INCLUDE THE REMOVAL AND INSTALLATION AT THE APPROPRIATE LOCATION OF THE WATER METER, CURB STOP & CLAMPING DEVICE, METER VALVES, AND METER BOX WITH LID.
2. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
3. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 12", MAXIMUM OF 24" COVER BELOW FINISHED GRADE.
4. THE OWNER RESERVES THE RIGHT TO ADD OR DELETE WATER SERVICE TAPS AND TO CHANGE LOCATIONS FROM THOSE SHOWN.

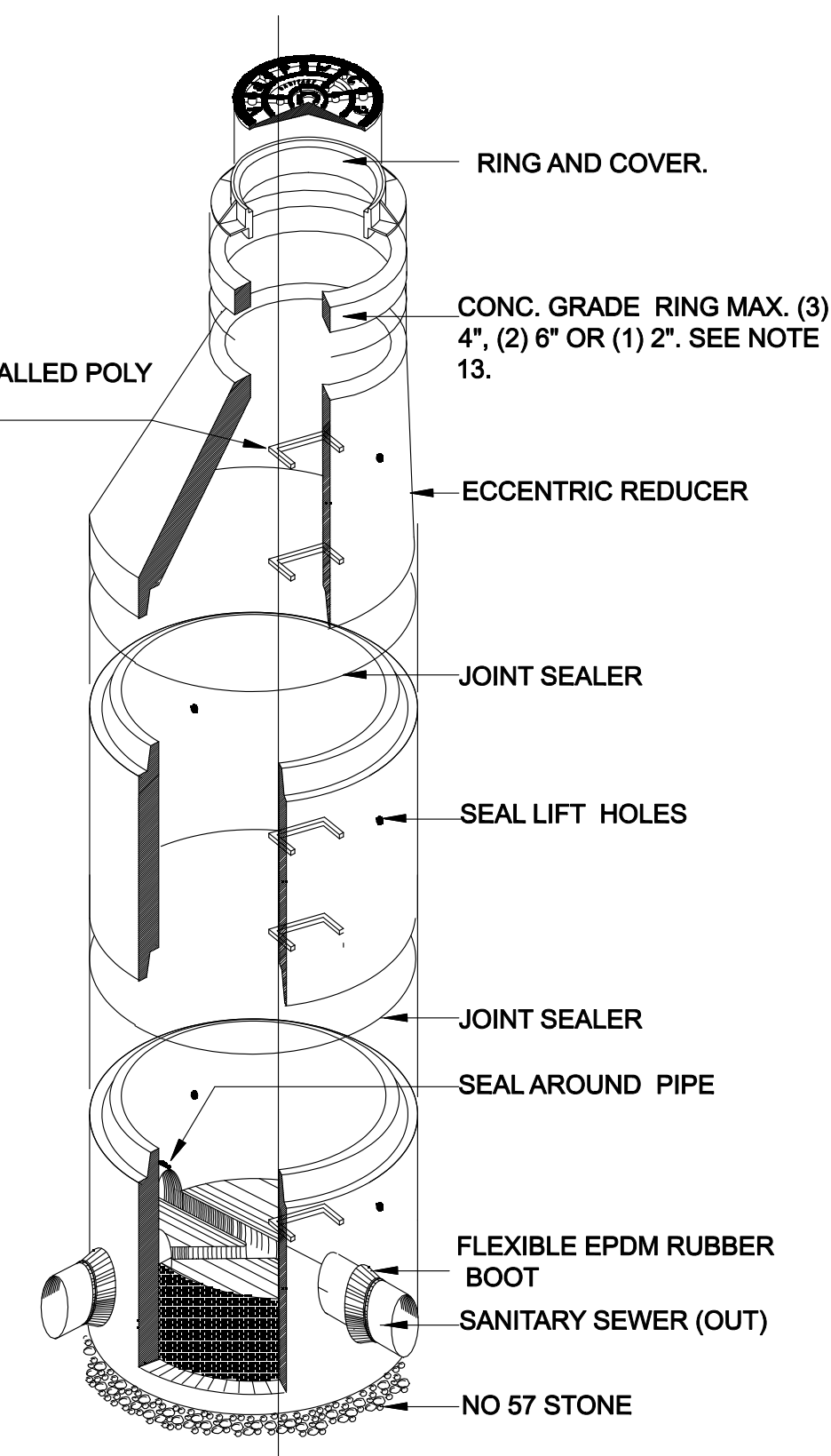
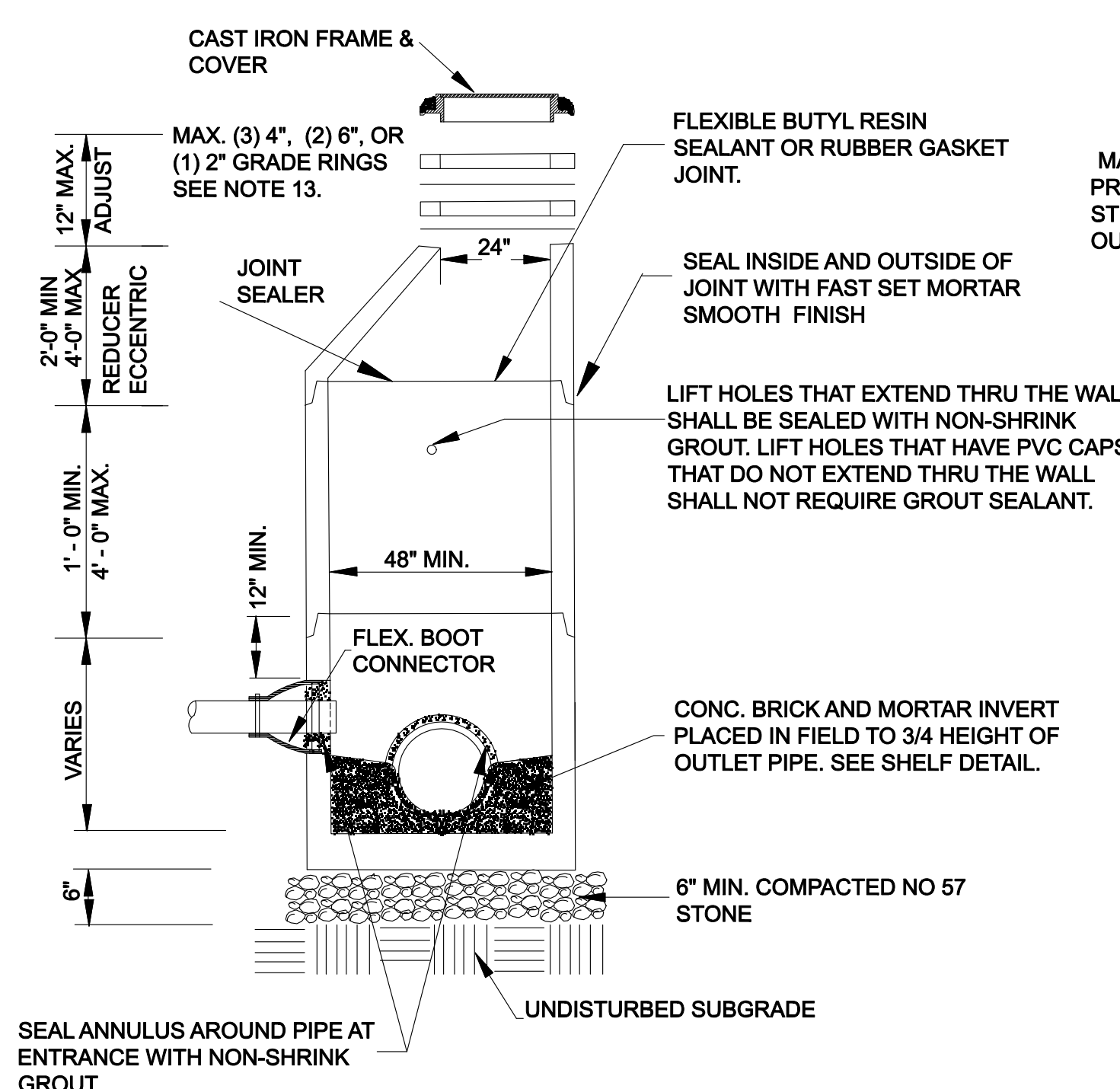
WATER METER RELOCATION DETAILS



NOTES:

1. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
2. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 12", MAXIMUM OF 24" COVER BELOW FINISHED GRADE.

RECONNECT EXISTING WATER METER DETAIL

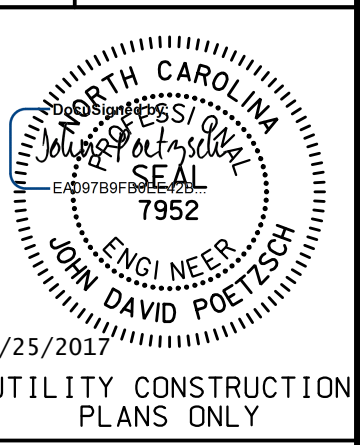


SANITARY SEWER MANHOLE DETAIL



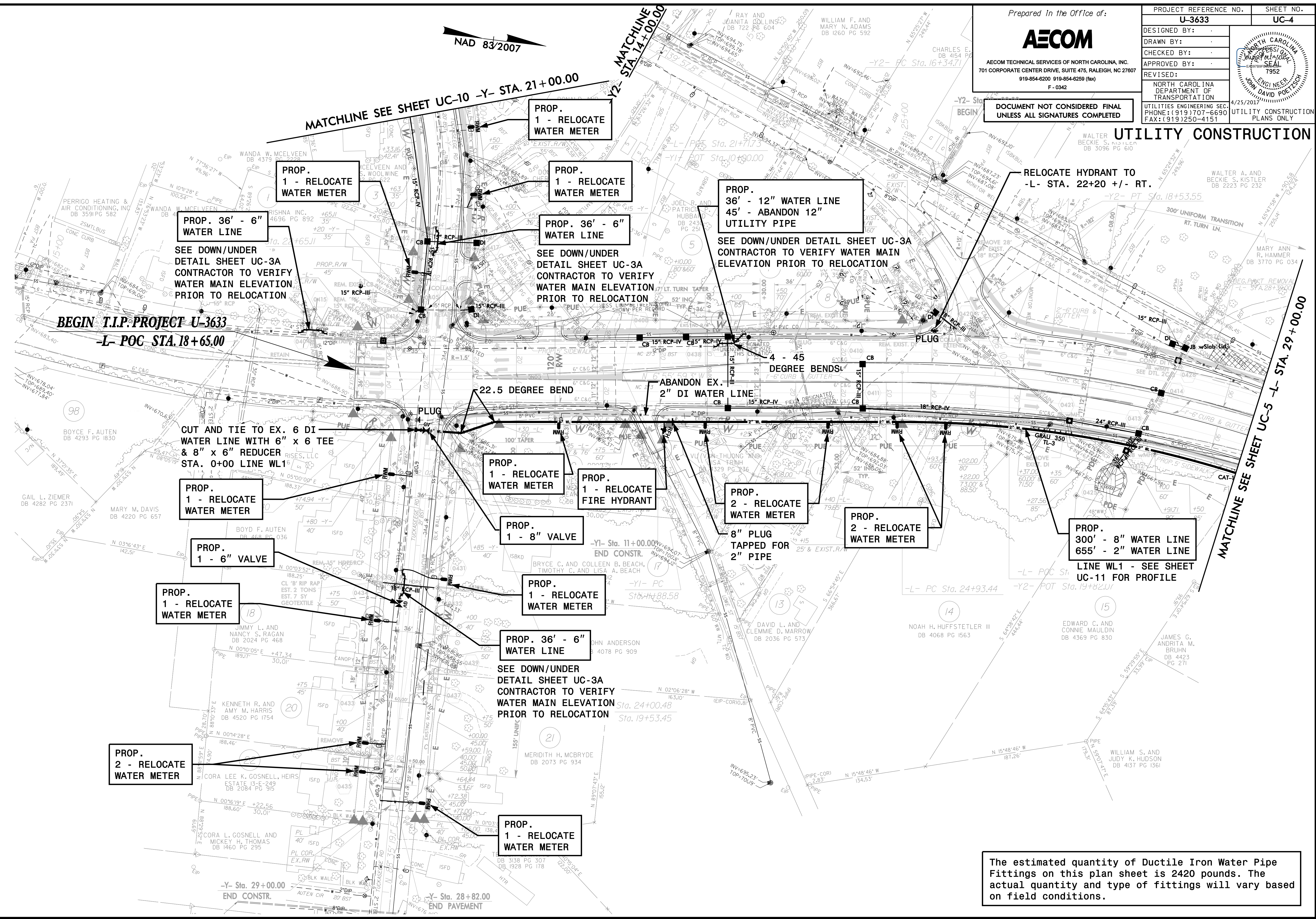
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REVISED:	
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UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



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UTILITY CONSTRUCTION



The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 2420 pounds. The actual quantity and type of fittings will vary based on field conditions.

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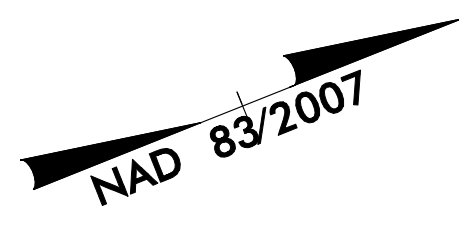


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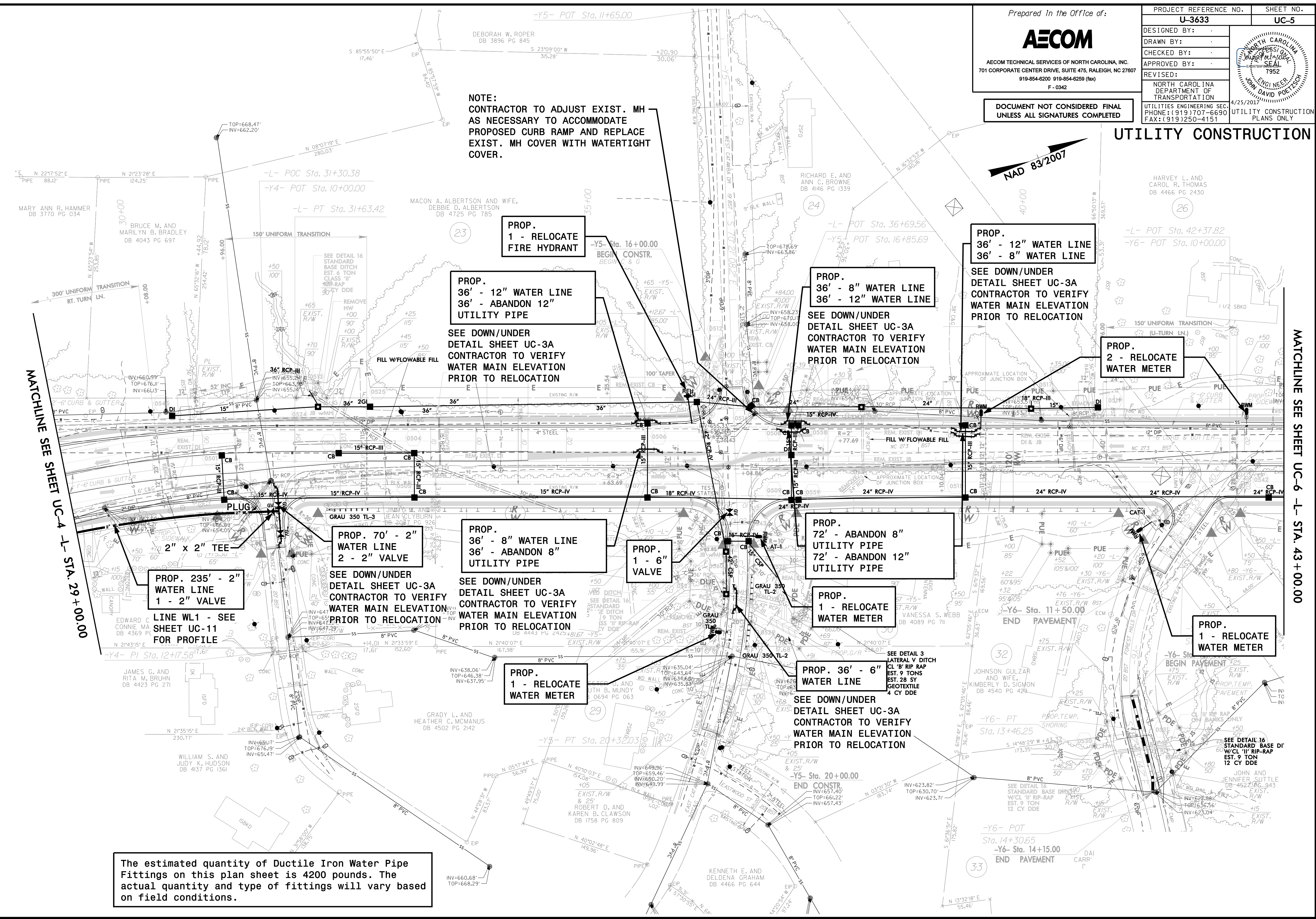
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UTILITY CONSTRUCTION



NOTE:
CONTRACTOR TO ADJUST EXIST. MH
AS NECESSARY TO ACCOMMODATE
PROPOSED CURB RAMP AND REPLACE
EXIST. MH COVER WITH WATERTIGHT
COVER.



PROP.
1 - RELOCATE
FIRE HYDRANT

PROP.
36' - 12" WATER LINE
36' - ABANDON 12"
UTILITY PIPE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
36' - 8" WATER LINE
36' - 12" WATER LINE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
36' - 12" WATER LINE
36' - 8" WATER LINE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
2 - RELOCATE
WATER METER

PROP.
36' - 8" WATER LINE
36' - ABANDON 8"
UTILITY PIPE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
1 - 6"
VALVE

PROP.
72' - ABANDON 8"
UTILITY PIPE
72' - ABANDON 12"
UTILITY PIPE

PROP.
1 - RELOCATE
WATER METER

PROP. 235' - 2"
WATER LINE
1 - 2" VALVE

LINE WL1 - SEE
SHEET UC-11
FOR PROFILE

PROP. 70' - 2"
WATER LINE
2 - 2" VALVE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
1 - RELOCATE
WATER METER

PROP. 36' - 6"
WATER LINE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP.
1 - RELOCATE
WATER METER

The estimated quantity of Ductile Iron Water Pipe
Fittings on this plan sheet is 4200 pounds. The
actual quantity and type of fittings will vary based
on field conditions.

DATE: 4/24/2017
TIME: 2:20:01 PM
DGN: U3633_UC-5.dwg

MATCHLINE SEE SHEET UC-4 -L- STA. 29+00.00

MATCHLINE SEE SHEET UC-6 -L- STA. 43+00.00

PROJECT REFERENCE NO. U-3633	SHEET NO. UC-6
DESIGNED BY:	
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UTILITY CONSTRUCTION

PROP. 36' - 8" WATER LINE
36' - ABANDON 8" UTILITY PIPE

SEE DOWN/UNDER DETAIL SHEET UC-3A CONTRACTOR TO VERIFY WATER MAIN ELEVATION PRIOR TO RELOCATION

PROP. 36' - 6" WATER LINE

SEE DOWN/UNDER DETAIL SHEET UC-3A CONTRACTOR TO VERIFY WATER MAIN ELEVATION PRIOR TO RELOCATION

PROP. 36' - 8" WATER LINE
36' - 12" WATER LINE
36' - ABANDON 8" UTILITY PIPE
36' - ABANDON 12" UTILITY PIPE

SEE DOWN/UNDER DETAIL SHEET UC-3A CONTRACTOR TO VERIFY WATER MAIN ELEVATION PRIOR TO RELOCATION

PROP. 2 - RELOCATE WATER METER

PROP. 1 - SANITARY SEWER CLEAN-OUT

CUT AND TIE TO EX. 8" DI WATER LINE WITH 8" x 11.25 DEGREE BEND STA. 7+20.5

MATCHLINE SEE SHEET UC-5 -L- STA. 43+00.00

PROP. 4' DIA. UTILITY MANHOLE A1
STA. 0+00.00, LINE A
46.59' LT. OF -L- STA. 45+07.78

PROP. 2 - RELOCATE WATER METER

PROP. 1 - RELOCATE FIRE HYDRANT

PROP. 538' - ABANDON 8" UTILITY PIPE

CUT AND TIE TO EX. 8" DI WATER LINE WITH 8" x 22.5 DEGREE BEND STA. 0+00 LINE WL2

PROP. 720' - 8" WATER LINE
740' - ABANDON 8" UTILITY PIPE

LINE WL2 - SEE SHEET UC-11 FOR PROFILE

PROP. 1 - ABANDON UTILITY VAULT

PROP. 1 - 8" VALVE

PROP. 4' DIA. UTILITY MANHOLE D1
STA. 0+00.00, LINE D
90.18' LT. OF -L- STA. 56+10.25

SEE SHEET UC-7 FOR HYDRANT LOCATION

PROP. 195' - ABANDON 8" UTILITY PIPE

PROP. 4 ABANDON UTILITY MANHOLE

PROP. 1 ABANDON UTILITY MANHOLE

PROP. 2 - ABANDON UTILITY MANHOLE

PROP. 1 - ABANDON UTILITY MANHOLE 188' - 15" UTILITY PIPE

11.25 DEGREE BEND

PROP. 249.31' - 8" SANITARY GRAVITY SEWER
LINE A (SEE SHEET UC-12 FOR PROFILE)

PROP. 4' DIA. UTILITY MANHOLE A2
STA. 1+41.16, LINE A
94.57' RT. OF -L- STA. 45+07.78

PROP. 4' DIA. UTILITY MANHOLE B1
STA. 0+00.00, LINE B
STA. 2+49.31, LINE A
94.57' RT. OF -L- STA. 46+15.93

PROP. 4' DIA. UTILITY MANHOLE B2
STA. 2+25.77, LINE B
62.89' RT. OF -L- STA. 48+39.47

PROP. 1 - SANITARY SEWER CLEAN-OUT

PROP. 1 - RELOCATE WATER METER 94' - 2" ENCASUREMENT PIPE

PROP. 4' DIA. UTILITY MANHOLE B3
STA. 4+68.77, LINE B
65.67' RT. OF -L- STA. 50+82.45

PROP. 4' DIA. UTILITY MANHOLE C2
STA. 2+40.00, LINE C
149.04' RT. OF -L- STA. 53+68.26

PROP. 4' DIA. UTILITY MANHOLE D2
STA. 1+87.38, LINE D
96.98' RT. OF -L- STA. 56+01.17

PROP. 187.38' 16" SANITARY GRAVITY SEWER
LINE D (SEE SHEET UC-13 FOR PROFILE)

POT Sta. 44+96.42
POT Sta. 17+88.38

PROP. 1 - RELOCATE WATER METER 94' - 2" ENCASUREMENT PIPE

PROP. 527.11' - 8" SANITARY GRAVITY SEWER
LINE B (SEE SHEET UC-12 FOR PROFILE)

PROP. 4' DIA. UTILITY MANHOLE B4
STA. 5+26.34, LINE B
80.37' RT. OF -L- STA. 51+38.11

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 2785 pounds. The actual quantity and type of fittings will vary based on field conditions.

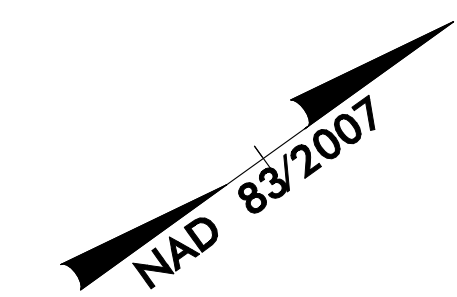
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REVISION:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	4/25/2017
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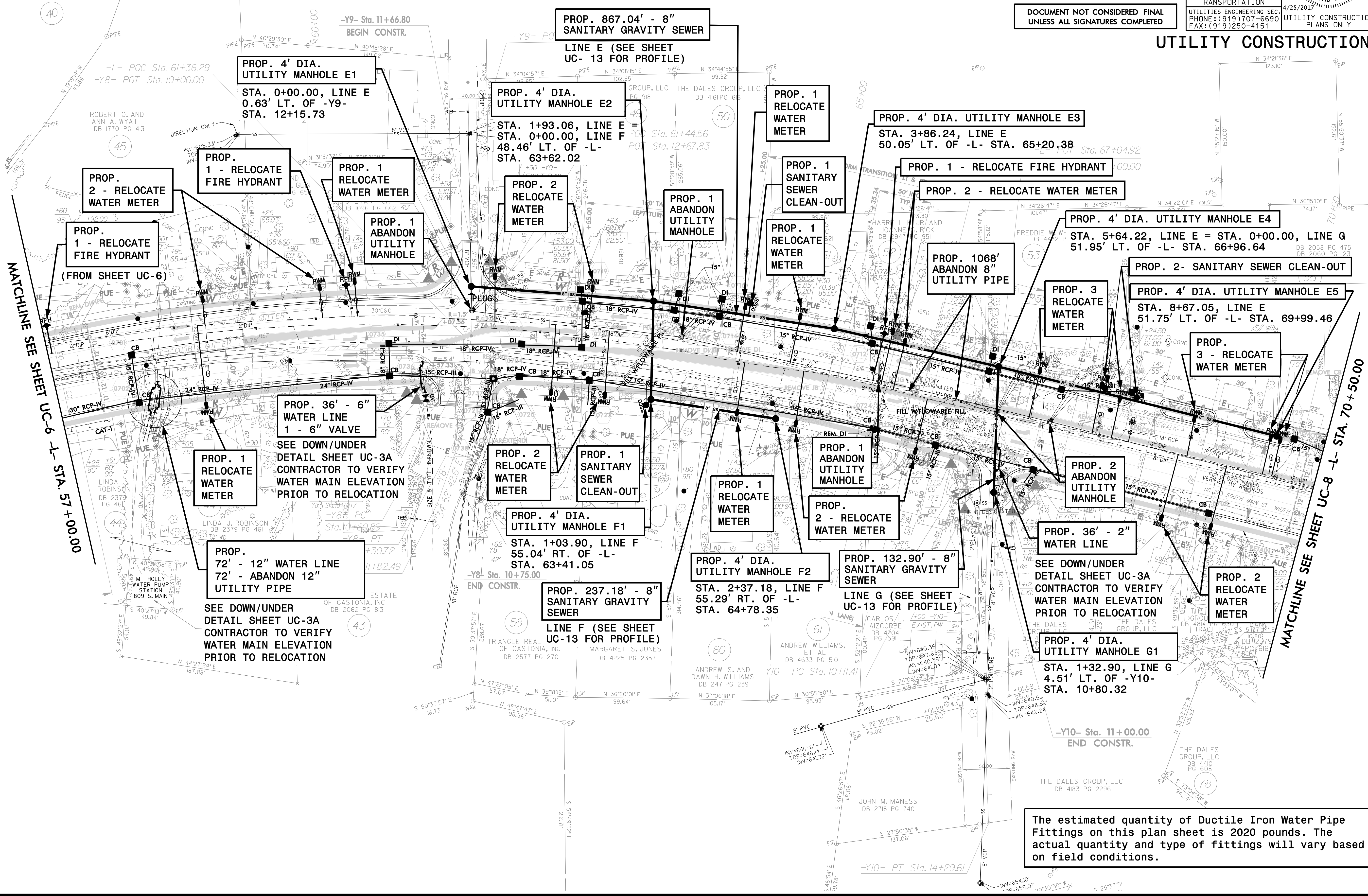
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UTILITY CONSTRUCTION



CHRISTOPHER B. AND PAMELA LOFTIN DB 4228 PG 1162

90.46° 597.75' 90.35'



MATCHLINE SEE SHEET UC-6 -L- STA. 57+00.00

MATCHLINE SEE SHEET UC-8 -L- STA. 70+50.00

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 2020 pounds. The actual quantity and type of fittings will vary based on field conditions.

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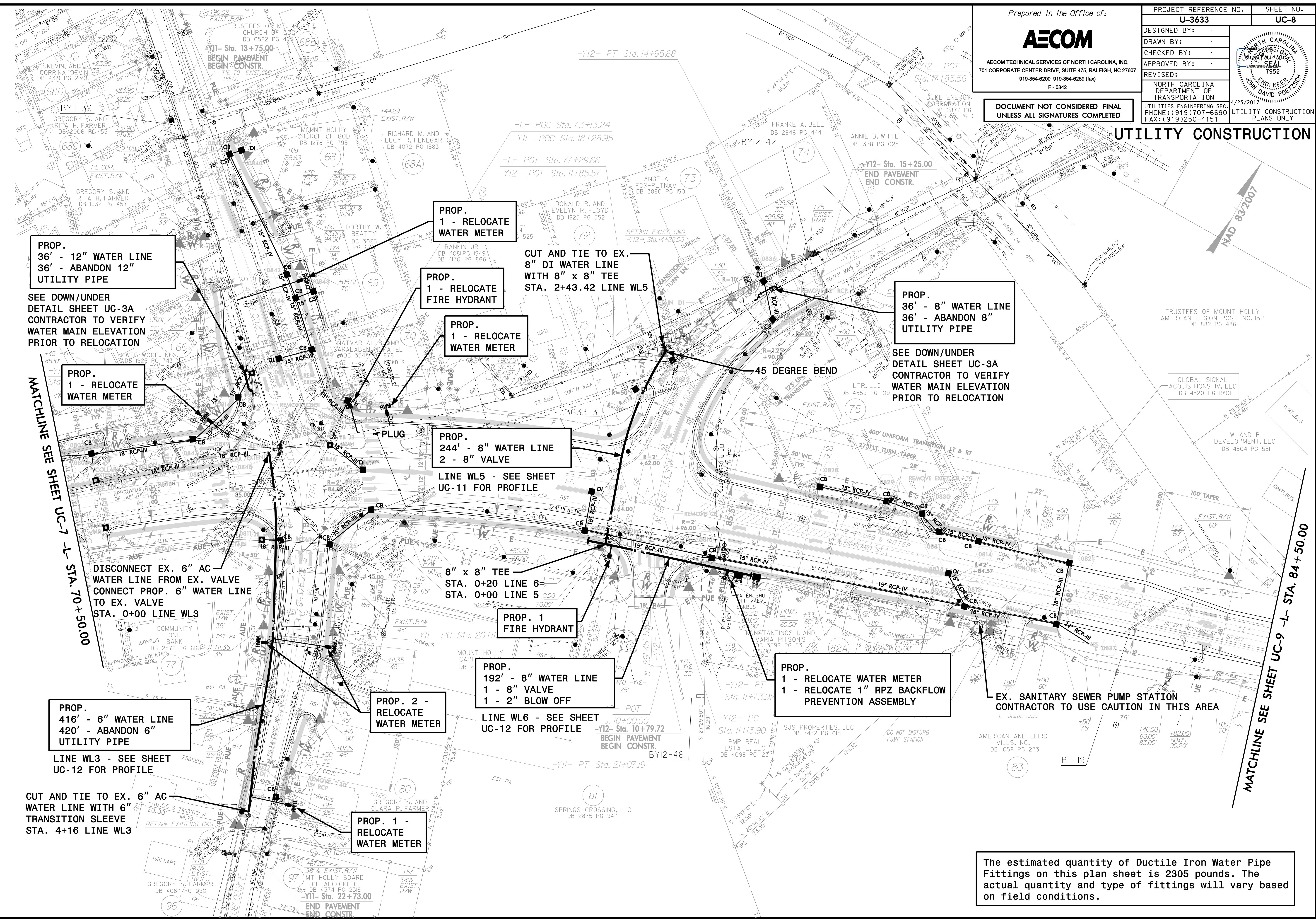
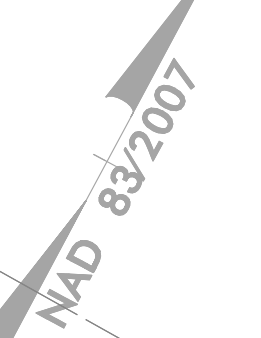


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701 CORPORATE CENTER DRIVE, SUITE 475, RALEIGH, NC 27607
919-854-6200 919-854-6259 (fax)
F-0342

PROJECT REFERENCE NO.	SHEET NO.
U-3633	UC-8
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
REVISED:	4/25/2017
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

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UTILITY CONSTRUCTION



PROP. 36' - 12" WATER LINE
36' - ABANDON 12" UTILITY PIPE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP. 1 - RELOCATE
WATER METER

MATCHLINE SEE SHEET UC-7
L- STA. 70+50.00

DISCONNECT EX. 6" AC
WATER LINE FROM EX. VALVE
CONNECT PROP. 6" WATER LINE
TO EX. VALVE
STA. 0+00 LINE WL3

PROP. 416' - 6" WATER LINE
420' - ABANDON 6" UTILITY PIPE

LINE WL3 - SEE SHEET
UC-12 FOR PROFILE

CUT AND TIE TO EX. 6" AC
WATER LINE WITH 6" TRANSITION SLEEVE
STA. 4+16 LINE WL3

PROP. 1 - RELOCATE
WATER METER

PROP. 1 - RELOCATE
FIRE HYDRANT

PROP. 1 - RELOCATE
WATER METER

PROP. 244' - 8" WATER LINE
2 - 8" VALVE
LINE WL5 - SEE SHEET
UC-11 FOR PROFILE

PROP. 1
FIRE HYDRANT

PROP. 192' - 8" WATER LINE
1 - 8" VALVE
1 - 2" BLOW OFF
LINE WL6 - SEE SHEET
UC-12 FOR PROFILE

PROP. 2 -
RELOCATE
WATER METER

PROP. 1 -
RELOCATE
WATER METER

CUT AND TIE TO EX.
8" DI WATER LINE
WITH 8" x 8" TEE
STA. 2+43.42 LINE WL5

PROP. 36' - 8" WATER LINE
36' - ABANDON 8" UTILITY PIPE

SEE DOWN/UNDER
DETAIL SHEET UC-3A
CONTRACTOR TO VERIFY
WATER MAIN ELEVATION
PRIOR TO RELOCATION

PROP. 1 - RELOCATE WATER METER
1 - RELOCATE 1" RPZ BACKFLOW
PREVENTION ASSEMBLY

EX. SANITARY SEWER PUMP STATION
CONTRACTOR TO USE CAUTION IN THIS AREA

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 2305 pounds. The actual quantity and type of fittings will vary based on field conditions.

DATE: 4/24/2017
TIME: 2:25:53 PM
DGN: U3633_UC_25080.dgn

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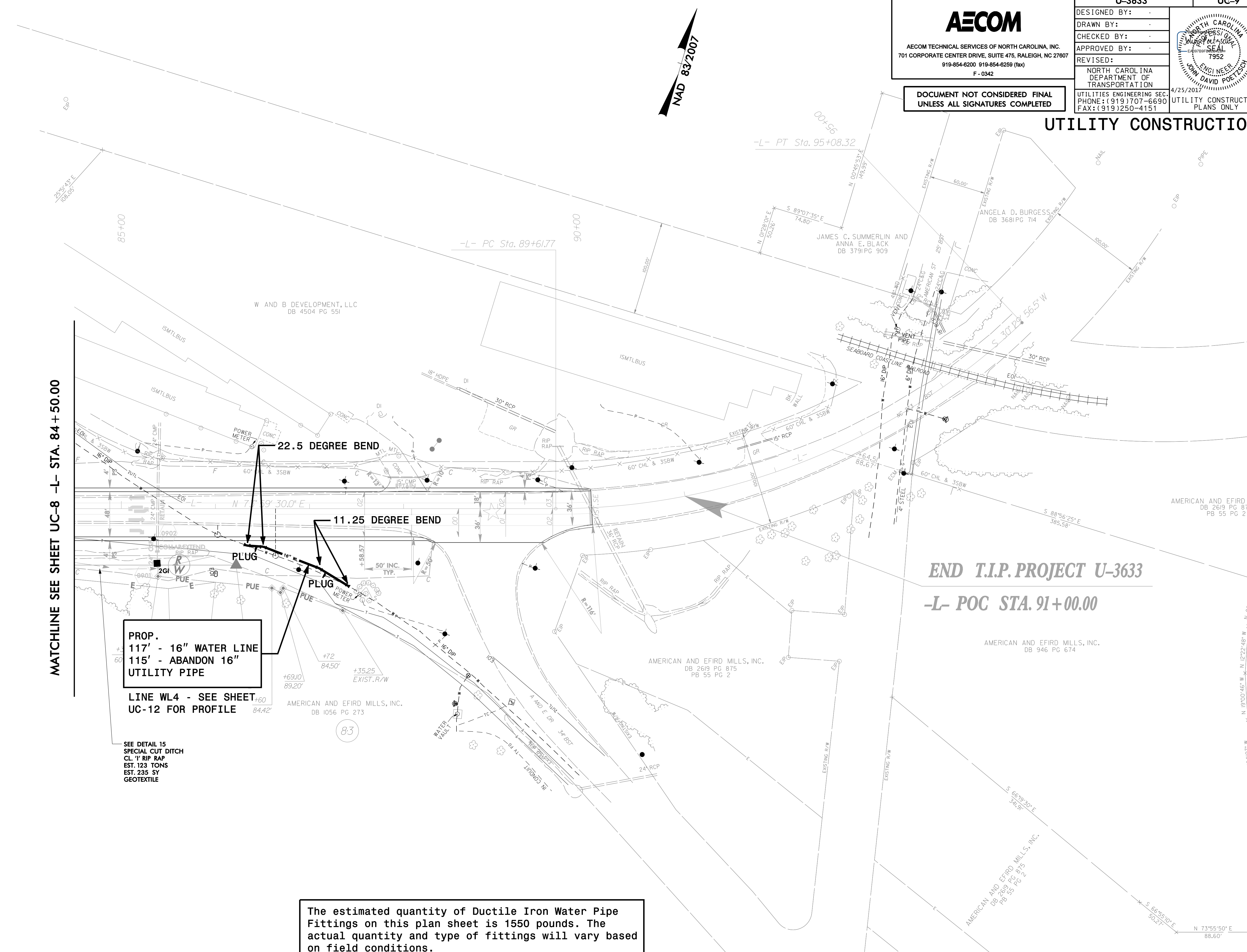
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PROJECT REFERENCE NO. U-3633	SHEET NO. UC-9
DESIGNED BY:	
DRAWN BY:	
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UTILITY CONSTRUCTION

MATCHLINE SEE SHEET UC-8 -L- STA. 84+50.00



PROP.
117' - 16" WATER LINE
115' - ABANDON 16"
UTILITY PIPE

LINE WL4 - SEE SHEET
UC-12 FOR PROFILE

SEE DETAIL 15
SPECIAL CUT DITCH
CL. 1' RIP RAP
EST. 123 TONS
EST. 235 SY
GEOTEXTILE

The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 1550 pounds. The actual quantity and type of fittings will vary based on field conditions.

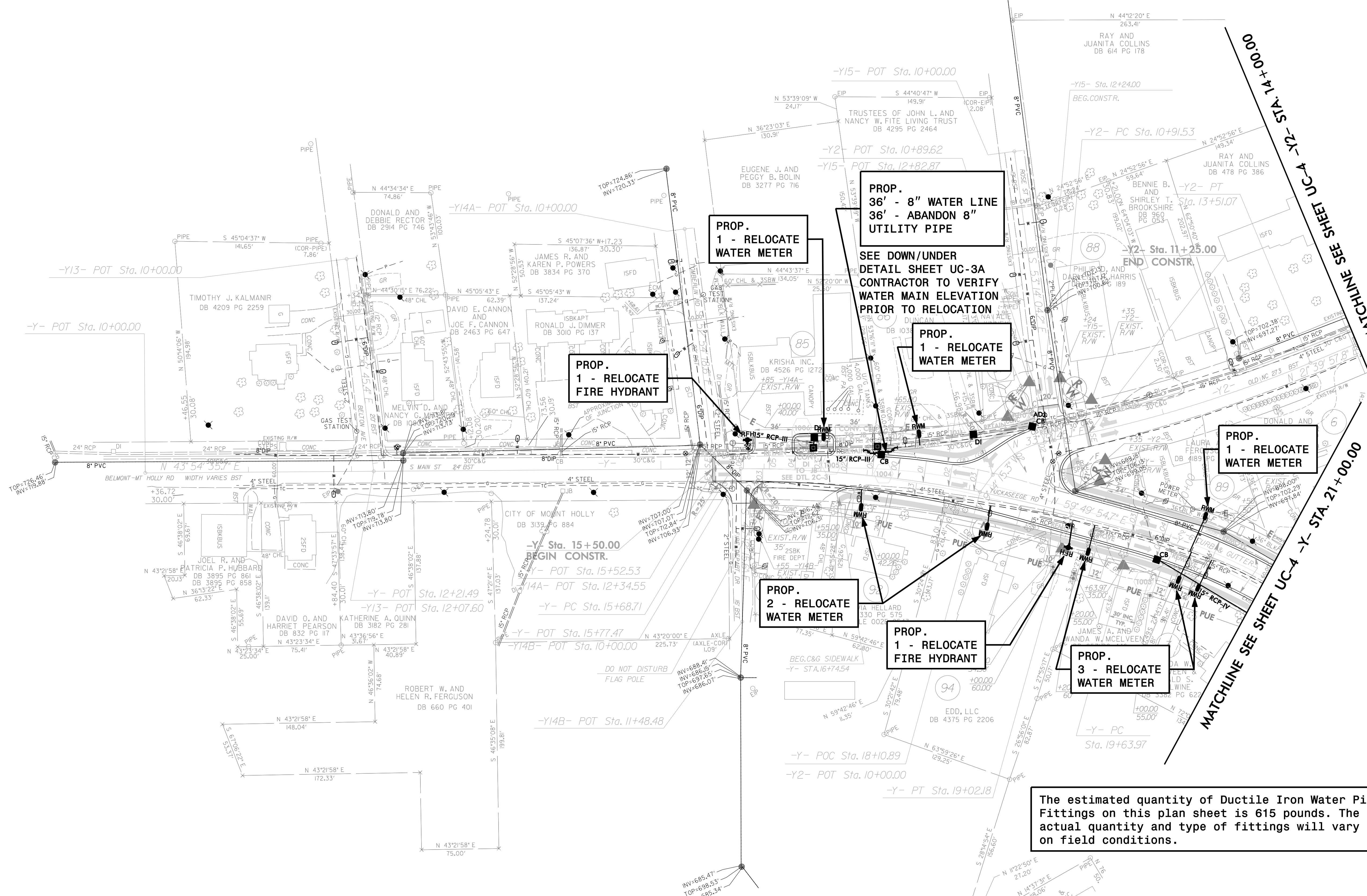
END T.I.P. PROJECT U-3633
-L- POC STA. 91+00.00

NAD 83 2007

DATE: 4/24/2017
TIME: 2:37:26 PM
DRN: U3633_UC-9.dwg

PROJECT REFERENCE NO.	SHEET NO.
U-3633	UC-10
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The estimated quantity of Ductile Iron Water Pipe Fittings on this plan sheet is 615 pounds. The actual quantity and type of fittings will vary based on field conditions.

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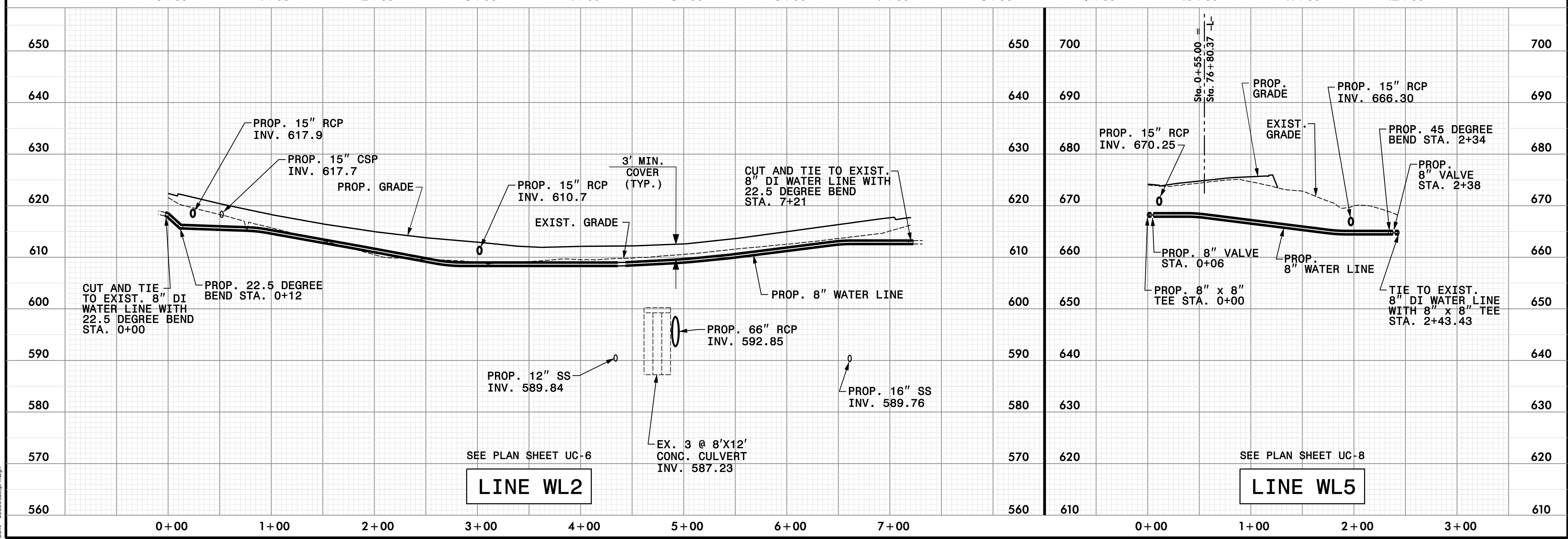
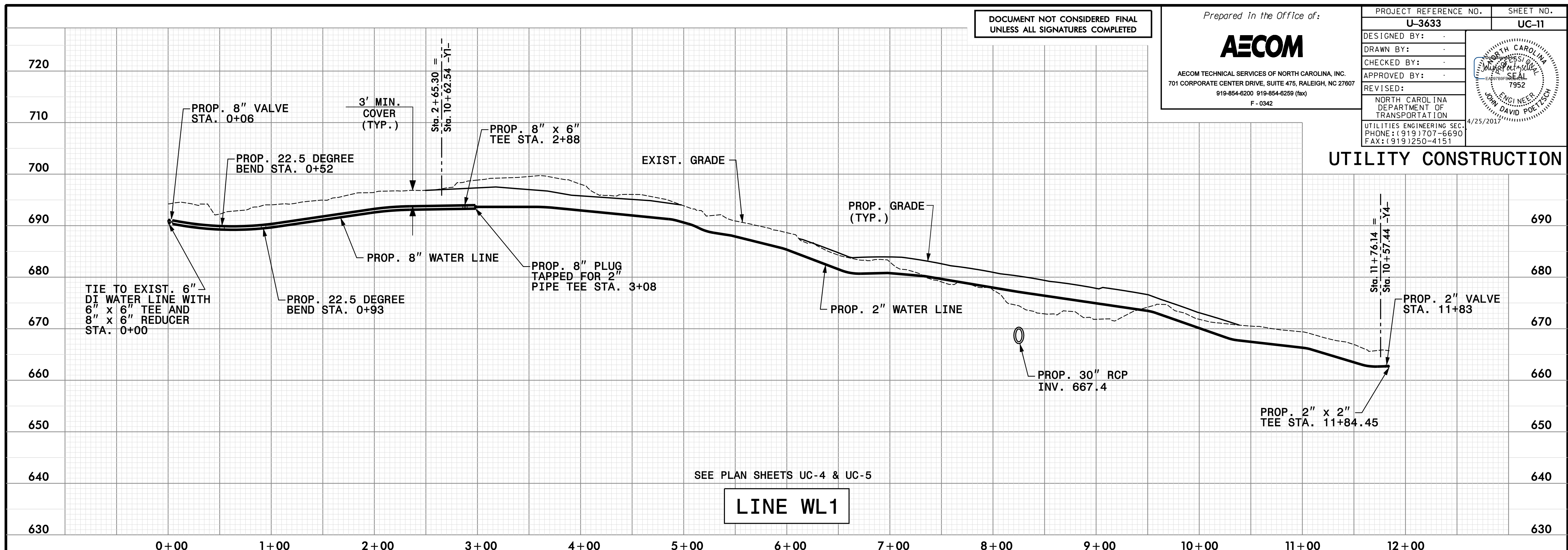
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PROJECT REFERENCE NO. U-3633	SHEET NO. UC-11
DESIGNED BY:	
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REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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UTILITY CONSTRUCTION



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DRN: U3633.uc.rlladp

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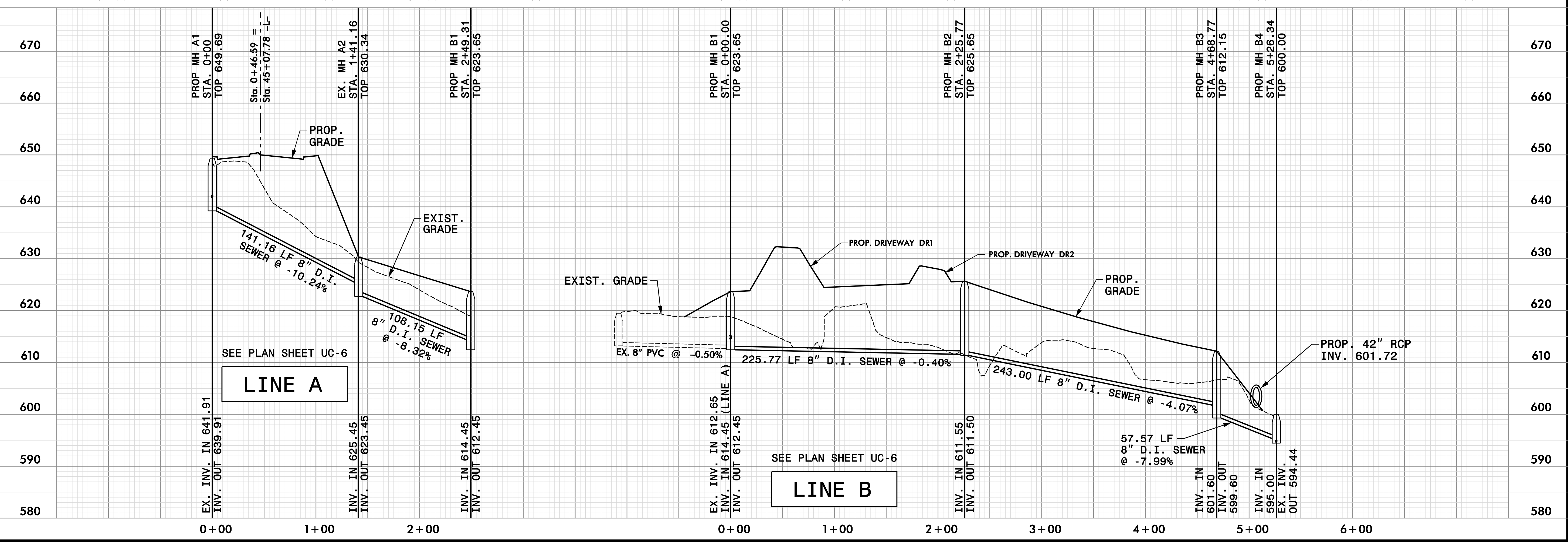
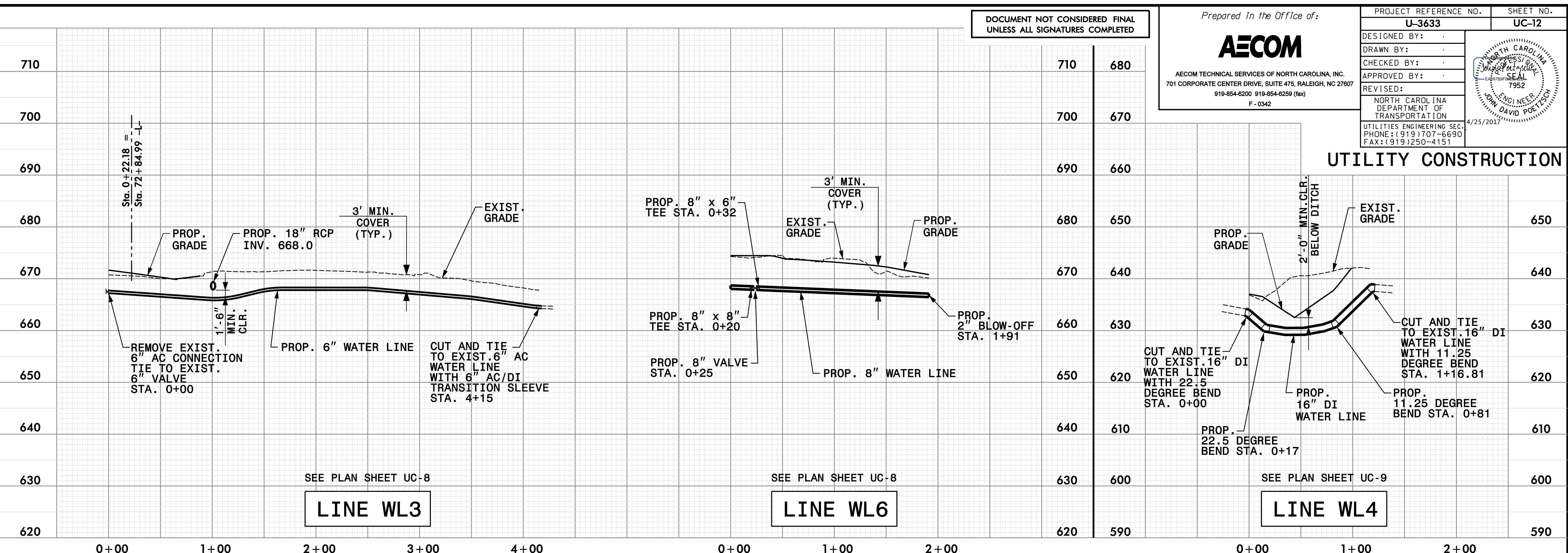
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PROJECT REFERENCE NO. U-3633	SHEET NO. UC-12
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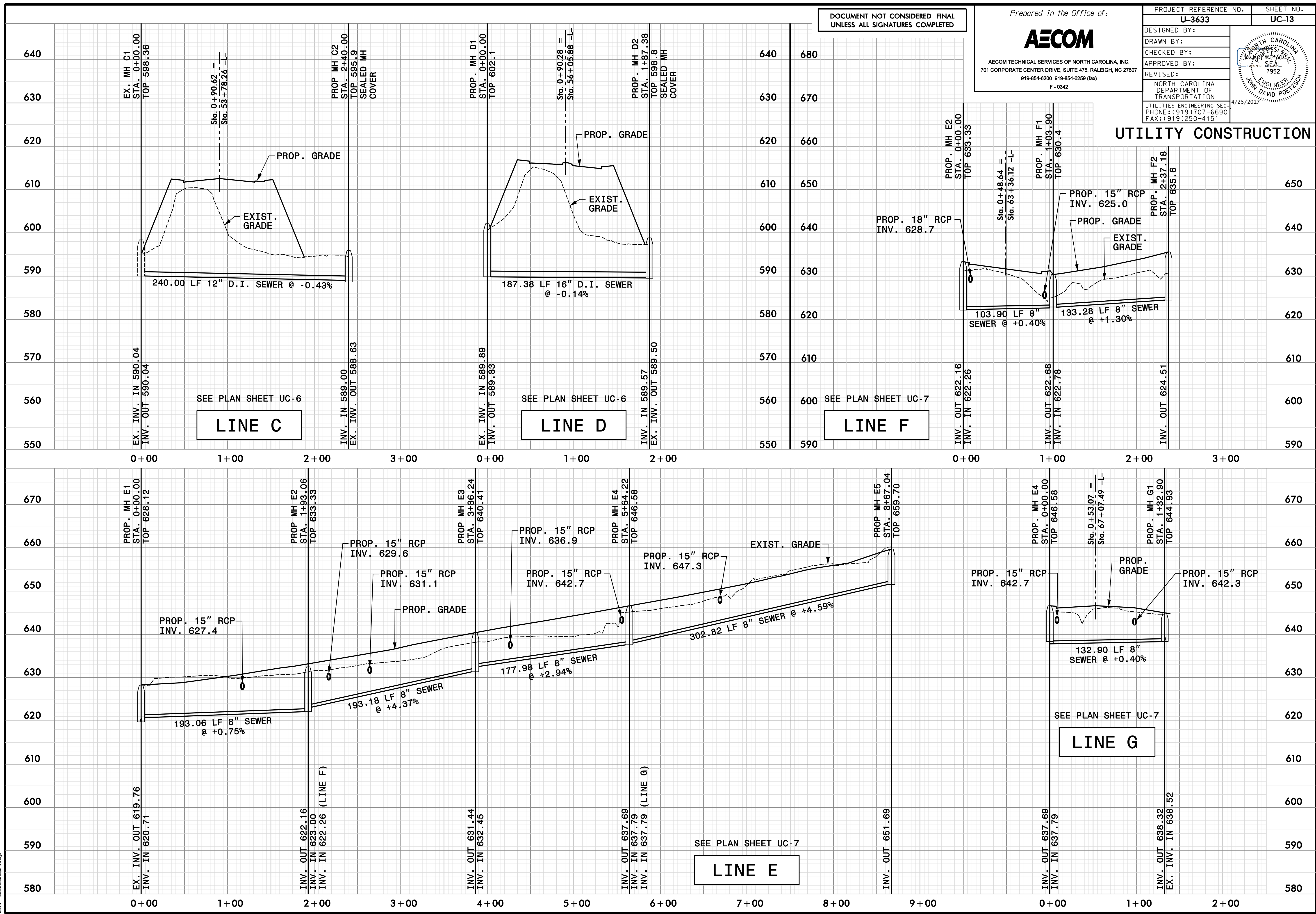
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PROJECT REFERENCE NO. U-3633	SHEET NO. UC-13
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4/25/2017	

UTILITY CONSTRUCTION



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TIME: 2:15:54 PM
DRN: U3633.uc-rf102.dgn